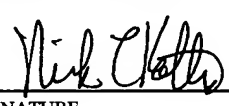


FORM PTO 1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER CRPI-101
<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) <div style="font-size: 1.5em; font-weight: bold; text-align: center;">10/576105</div>
INTERNATIONAL APPLICATION NO. PCT/FR2004/002656	INTERNATIONAL FILING DATE 18 October 2004	PRIORITY DATE CLAIMED 17 October 2003
TITLE OF INVENTION PLASMA SOURCE OF DIRECTED BEAMS AND APPLICATION THEREOF TO MICROLITHOGRAPHY		
APPLICANT(S) FOR DO/EO/US Peter CHOI		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND OR SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li> <li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). (verified)</li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). ** (verified)</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p>Items 11. to 16. below concern other document(s) or information included:</p> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment. (15 pages)  <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> A substitute specification. (attached to a red-ink marked-up version of the English language translation)</li> <li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>16. <input checked="" type="checkbox"/> Other items or information:             <ul style="list-style-type: none"> <li>- Form PCT/IB/301</li> <li>- Form PCT/IB/304</li> <li>- Form PCT/IB/308</li> <li>- Transmittal of Substitute Specification (2 pages)</li> <li>- Certificate of Mailing by Express Mail (2 pages)</li> <li>- Return Receipt Postcard</li> </ul> </li> </ol>		

**EXPRESS MAIL NO.: EV842850291US**  
**MAILED: 17 April 2006**  
**Customer No.: 42419**

I/lar

U.S. APPLICATION NO. (Unknown) See 37 CFR 1.45 <b>10/576105</b>		INTERNATIONAL APPLICATION NO. PCT/FR2004/002656		ATTORNEY'S DOCKET NUMBER CRPI-101					
17. <input checked="" type="checkbox"/> The following fees are submitted:  <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</b>  Basic National Filing Fee ..... \$ 300.00  National Stage Search Fee ..... \$ 500.00  National Stage Examination Fee ..... \$ 200.00				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">CALCULATIONS</th> <th style="width:50%;">PTO USE ONLY</th> </tr> <tr> <td colspan="2" style="height: 100px;"></td> </tr> </table>		CALCULATIONS	PTO USE ONLY		
CALCULATIONS	PTO USE ONLY								
ENTER APPROPRIATE BASIC FEE AMOUNT =				\$	1,000.00				
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).									
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE						
Total claims	*45 - 20 =		X \$50.00	\$	1,250.00				
Independent claims	*2 - 03 =		X \$200.00						
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00						
TOTAL OF ABOVE CALCULATIONS =				\$	2,250.00				
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				+					
SUBTOTAL =				\$	2,250.00				
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+					
TOTAL NATIONAL FEE =				\$	2,250.00				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+					
TOTAL FEES ENCLOSED =				\$	2,250.00				
* Based upon entry of the First Preliminary Amendment.				Amount to be:	\$				
				refunded					
				charged	\$				
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>2,250.00</u> to cover the above fee is enclosed.  b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-3550</u> . A duplicate copy of this sheet is enclosed.									
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.									
SEND ALL CORRESPONDENCE TO:  Pauley Petersen & Erickson 2800 West Higgins Road, Suite 365 Hoffman Estates, Illinois 60195 (847) 490-1400 Fax: (847) 490-1403				<div style="text-align: center;">           SIGNATURE       </div> <div style="text-align: center;">         Nick C. Kottis          NAME       </div> <div style="text-align: center;">         31,974          REGISTRATION NUMBER       </div>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Peter CHOI  
Title: PLASMA SOURCE OF DIRECTED BEAMS AND  
APPLICATION THEREOF TO  
MICROLITHOGRAPHY  
Based Upon: PCT/FR2004/002656  
Express Mail No.: EV842850291US  
Date of Deposit: 17 April 2006  
Customer No.: 42419

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

**Mail Stop PCT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that the following requisites of the subject patent application are being deposited with the United States Postal Service as Express Mail Post Office to Addressee No. EV842850291US, on 17 April 2006, and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, together with the items listed below.

- Transmittal Letter (Form PTO-1390), in duplicate
- Verified English language translation of the International Application

Based Upon: PCT/FR2004/002656

- First Preliminary Amendment (15 pages)
- Transmittal of Substitute Specification (2 pages)
- Substitute Specification attached to red ink marked-up copy of the verified English language translation
- Form PCT/IB/301
- Form PCT/IB/304
- Form PCT/IB/308
- A check in the amount of 2,250.00 to cover the fees set forth in the Transmittal Letter
- Return Receipt Postcard

Respectfully submitted,



Nick C. Kottis  
Registration No. 31,974

Pauley Petersen & Erickson  
2800 West Higgins Road; Suite 365  
Hoffman Estates, Illinois 60195  
TEL (847) 490-1400  
FAX (847) 490-1403

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Peter CHOI  
Title: PLASMA SOURCE OF DIRECTED  
BEAMS AND APPLICATION  
THEREOF TO MICROLITHOGRAPHY  
Based Upon: PCT/FR2004/002656  
Express Mail No.: EV842850291US  
Date of Deposit: 17 April 2006  
Customer No.: 42419

**TRANSMITTAL OF SUBSTITUTE SPECIFICATION**

**Mail Stop PCT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant has enclosed a Substitute Specification attached to a red ink marked-up copy of the verified English language translation of PCT International Application PCT/FR2004/002656. The red ink identifies changes to the verified English language translation which are incorporated in the Substitute Specification.

The Substitute Specification includes general revisions to correct idiomatic translational errors and to provide proper headings. The undersigned states that the Substitute Specification contains no new matter.

IAP15 Rec'd PCT/PTO 17 APR 2006

Based Upon: PCT/FR2004/002656

Applicant sincerely believes that this patent application is now in condition for prosecution before the U.S. Patent and Trademark Office.

Respectfully submitted,



Nick C. Kottis  
Registration No. 31,974

Pauley Petersen & Erickson  
2800 West Higgins Road; Suite 365  
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TEL (847) 490-1400  
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